

<div>PROJECT DESCRIPTION</div> <div>GENERAL</div> <p>THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 147 (HARFORD ROAD) AND PUTTY HILL AVENUE IN BALTIMORE COUNTY, MARYLAND. MD 147 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.</p> <div>INTERSECTION OPERATION</div> <p>THE INTERSECTION WILL OPERATE IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 147 APPROACHES OPERATING CONCURRENTLY AND THE PUTTY HILL AVENUE APPROACHES OPERATING SPLIT PHASE. EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING IS PROVIDED FOR NORTHBOUND AND SOUTHBOUND MD 147 APPROACHES. AN ALTERNATE PEDESTRIAN PHASE IS PROVIDED ACROSS BOTH LEGS OF MD 147 AND PEDESTRIAN INDICATIONS ARE PROVIDED ACROSS BOTH LEGS OF PUTTY HILL AVENUE.</p> <div>TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS</div> <div>MD 147 HARFORD ROAD (NORTH APPROACH) AND PUTTY HILL AVENUE</div> <p>WAIT: "WAIT TO CROSS HARFORD AT PUTTY HILL." *</p> <p>WALK: RAPID TICK</p> <div>MD 147 HARFORD ROAD (SOUTH APPROACH) AND PUTTY HILL AVENUE</div> <p>WAIT: "WAIT TO CROSS HARFORD AT PUTTY HILL." *</p> <p>WALK: RAPID TICK</p> <div>PUTTY HILL AVENUE (WEST APPROACH) AND MD 147 HARFORD ROAD</div> <p>WAIT: "WAIT TO CROSS PUTTY HILL AT HARFORD." *</p> <p>WALK: RAPID TICK</p> <div>PUTTY HILL AVENUE (EAST APPROACH) AND MD 147 HARFORD ROAD</div> <p>WAIT: "WAIT TO CROSS PUTTY HILL AT HARFORD." *</p> <p>WALK: RAPID TICK</p> <p>* MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPIDICULAR CROSSING IS < 10'</p> <p>** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC</p> <p>NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.</p> <div>CONTROLLER REQUIREMENTS</div> <p>INSTALL A FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE (1) FOUR-CHANNEL, SYSTEM PACKAGE, VIDEO INTERFACE EQUIPMENT (1-4 CAMERAS), INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP AND ASSOCIATED HARNESSES HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET.</p> <div>PHONE DROP</div> <p>UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE, AND PHONE NUMBER.</p>	<div>EQUIPMENT LIST "A"</div> <div>A. EQUIPMENT TO BE SUPPLIED BY THE SHA</div> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>9044</td><td>1 EACH</td><td>EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH INTERSECTION MONITOR HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET</td></tr><tr><td>9085</td><td>1 EACH</td><td>VIDEO INTERFACE EQUIPMENT: 5-8 CAMERAS</td></tr><tr><td>9571</td><td>83 S.F.</td><td>SHEET ALUMINUM SIGNS TO CONSIST OF : - 6 EACH D-3(1) SIGN (VARIABLE x 16 IN.) DUAL FACED - MAST ARM MOUNT - 1 EACH W9-2(4) MOD. SIGN (30 IN. x 42 IN.) - MAST ARM MOUNT - 4 EACH R10-3(1) SIGN (9 IN. x 15 IN.) TO READ "PUSHBUTTON TO CROSS HARFORD ROAD" - 4 EACH R10-3(1) SIGN (9 IN. x 15 IN.) 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<div>PROJECT CONTACTS</div> <p>THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:</p> <table><tbody><tr><td>MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781/2785</td><td>MR. MIKE PASQUARIELLO ASST. DISTRICT UTILITY ENGINEER PHONE: (410) 321-2841</td></tr><tr><td>MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 321-2761</td><td>MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630</td></tr></tbody></table>	MS. ERIN KUHN ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781/2785	MR. MIKE PASQUARIELLO ASST. DISTRICT UTILITY ENGINEER PHONE: (410) 321-2841	MR. ANDRE FUTRELL ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 321-2761	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630																																																																																								
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<div>WR&A</div> <p>Whitman, Requardt and Associates, LLP Engineers, Architects and Planners 801 South Caroline Street Baltimore, Maryland 21231 410-235-3450</p>		<div>TOD NO:XX445-05 SHA NO:BA874A52/B52 MD 147@ PUTTY HILL AND EMERALD</div> <div>SHA</div> <p>STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 147 (HARFORD ROAD) AND PUTTY HILL AVENUE</p> <div>GENERAL INFORMATION SHEET</div> <table><tbody><tr><td>SCALE</td><td>NONE</td><td>ADVERTISED DATE</td><td></td><td>CONTRACT NO.</td><td>XX4-065185</td></tr><tr><td>DESIGNED BY</td><td>S. Bloss</td><td>COUNTY</td><td>BALTIMORE</td><td></td><td></td></tr><tr><td>DRAWN BY</td><td>S. Bloss</td><td>LOGMILE</td><td></td><td></td><td></td></tr><tr><td>CHECKED BY</td><td>N. Leary</td><td>TIMS NO.</td><td>J308</td><td></td><td></td></tr><tr><td>F.A.P. NO.</td><td>SEE TITLE SHEET</td><td>TOD NO.</td><td></td><td></td><td></td></tr><tr><td>TS NO.</td><td></td><td>DRAWING</td><td>TSP-3</td><td>OF</td><td>5</td></tr><tr><td></td><td></td><td>SHEET NO.</td><td>3</td><td>OF</td><td>5</td></tr></tbody></table> <div>WR&A</div> <p>Whitman, Requardt and Associates, LLP Engineers, Architects and Planners 801 South Caroline Street Baltimore, Maryland 21231 410-235-3450</p>	SCALE	NONE	ADVERTISED DATE		CONTRACT NO.	XX4-065185	DESIGNED BY	S. Bloss	COUNTY	BALTIMORE			DRAWN BY	S. Bloss	LOGMILE				CHECKED BY	N. Leary	TIMS NO.	J308			F.A.P. NO.	SEE TITLE SHEET	TOD NO.				TS NO.		DRAWING	TSP-3	OF	5			SHEET NO.	3	OF	5																																																
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